

Datasheet for ABIN7560778

NDE1 Protein (NDE1) (AA 1-344) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NDE1
Protein Characteristics:	AA 1-344
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NDE1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nde1 Protein expressed in mammalian cells.
Sequence:	<p>MEDSGKTFES EEEETNYWRD LAMTYKQRAE NTQEELREFQ EGSREYEAEL EAQLQQIETR</p> <p>NRDLLSENNR LRMELESVKE KFEMQHSEGY RQISALEDDL AQTKAIKDQL QKYIRELEQA</p> <p>NDDLERAkra TIMSLEDfEQ RLNQAIErna FLESELDEKE NLLESVQRLK DEARDLRQEL</p> <p>AVQQKQDKPR TPMPGSGQAK RTDMAVQATG SVPSTPVAHR GPSSGLNTPG MFRRGLDSST</p> <p>SGTPLTPAAR ISALNIVGDL LRKVGALeSK LAsCRNFMyD QSPSRtSGPA SGRGtKNRDG</p> <p>VDRRPGSTSV GdKGSGKRLE FGKPASepAS PALPSAQGVV KLLL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: NDE1

Alternative Name: Nde1 ([NDE1 Products](#))

Background: Nuclear distribution protein nudE homolog 1 (NudE) (mNudE),FUNCTION: Required for centrosome duplication and formation and function of the mitotic spindle. Essential for the development of the cerebral cortex. May regulate the production of neurons by controlling the orientation of the mitotic spindle during division of cortical neuronal progenitors of the proliferative ventricular zone of the brain. Orientation of the division plane perpendicular to the layers of the cortex gives rise to two proliferative neuronal progenitors whereas parallel orientation of the division plane yields one proliferative neuronal progenitor and a post-mitotic neuron. A premature shift towards a neuronal fate within the progenitor population may result in an overall reduction in the final number of neurons and an increase in the number of neurons in the deeper layers of the cortex. {ECO:0000269|PubMed:15473967}.

Molecular Weight: 38.5 kDa

UniProt: [Q9CZA6](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months